W. Kerr Scott Project
Drought Update—1 November 2001

1. **Tabulated W. Kerr Scott Project Watershed Rainfall and Inflows**. The past 41 months of inflows and rainfalls to the W. Kerr Scott project are shown in table one below. In summary, since June 1998, only eight out of the past 41 months had above average rainfall and one of the past 41 months had average monthly inflows greater than average. Over the past 41 months, inflows overall trended about 54 percent of average although rainfall has averaged 80 percent of normal. Note that the guide curve or target level at W. Kerr Scott Reservoir is at elevation 1030.0 feet, msl year round. The plan of operation for W. Kerr Scott is tailored so that the reservoir level can be recovered even during times of mild drought as shown in the table. The plan is also tailored so that even during extended droughts that the reservoir level is typically stabilized in the lower 1020's and would rarely fall below this level.

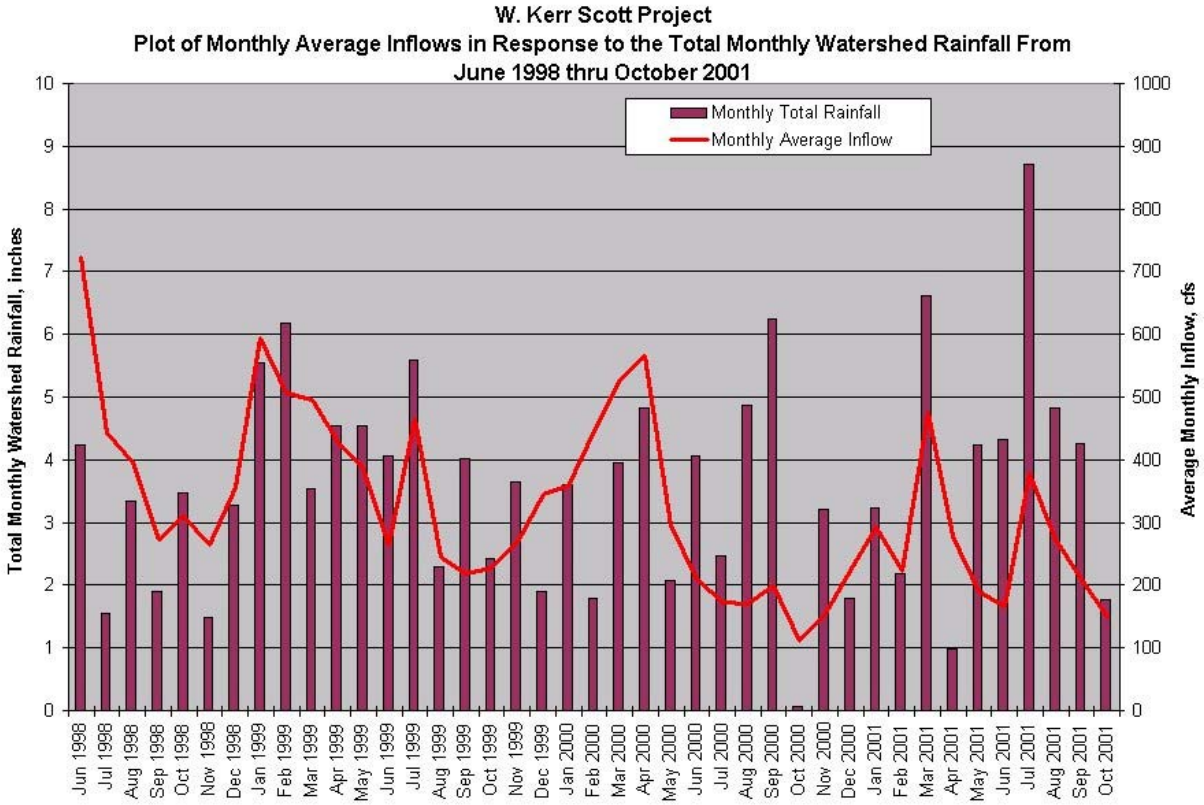
Table One
W. Kerr Scott Project--Inflows, Rainfall, and Lake Levels
From June 1998 to Present

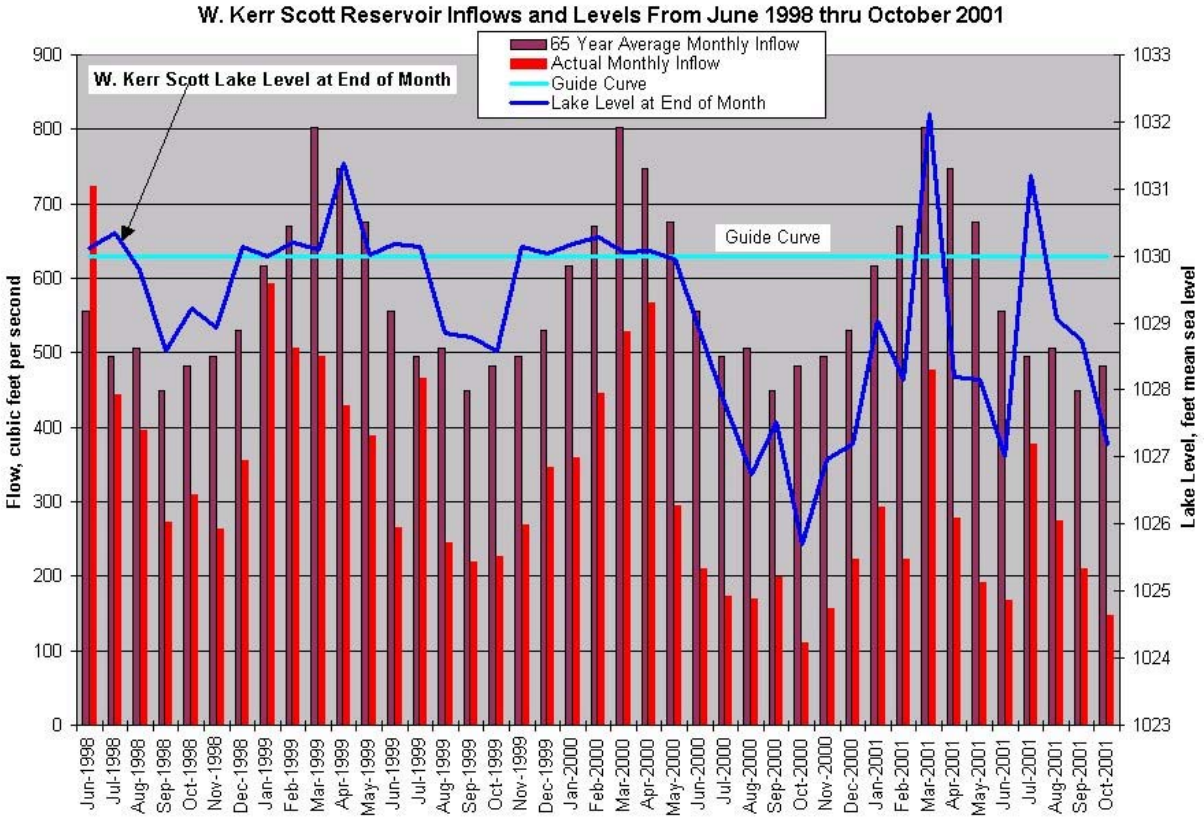
	Inflow to Scott Dam			Watershed Rainfall			Lake Level
	Long Term Avg	Actual	Percent of Normal	Long Term Avg	Actual	Percent of Normal	End of Month Ft-msl
Jun 1998	555	723	130	4.73	4.23	89	1030.11
Jul 1998	495	443	89	5.08	1.56	31	1030.34
Aug 1998	507	395	78	5.27	3.34	63	1029.78
Sep 1998	450	273	61	4.55	1.89	42	1028.58
Oct 1998	483	310	64	4.03	3.48	86	1029.21
Nov 1998	496	264	53	3.82	1.48	39	1028.94
Dec 1998	530	356	67	3.82	3.28	86	1030.13
Jan 1999	616	593	96	3.70	5.55	150	1030.00
Feb 1999	670	506	76	3.98	6.17	155	1030.20
Mar 1999	803	495	62	5.22	3.53	68	1030.09
Apr 1999	747	428	57	4.31	4.54	105	1031.39
May 1999	675	389	58	4.91	4.55	93	1030.02
Jun 1999	555	265	48	4.73	4.06	86	1030.18
Jul 1999	495	465	94	5.08	5.59	110	1030.14
Aug 1999	507	244	48	5.27	2.29	43	1028.84
Sep 1999	450	219	49	4.55	4.02	88	1028.78
Oct 1999	483	227	47	4.03	2.42	60	1028.58
Nov 1999	496	269	54	3.82	3.65	96	1030.14
Dec 1999	530	346	65	3.82	1.91	50	1030.03
Jan 2000	616	359	58	3.70	3.60	97	1030.17
Feb 2000	670	446	67	3.98	1.78	45	1030.27
Mar 2000	803	529	66	5.22	3.95	76	1030.05
Apr 2000	747	566	76	4.31	4.83	112	1030.08
May 2000	675	294	44	4.91	2.07	42	1029.96
Jun 2000	555	210	38	4.73	4.06	86	1028.88
Jul 2000	495	173	35	5.08	2.46	48	1027.77
Aug 2000	507	170	34	5.27	4.86	92	1026.75
Sep 2000	450	199	44	4.55	6.25	137	1027.52
Oct 2000	483	111	23	4.03	0.06	1	1025.69
Nov 2000	496	156	31	3.82	3.21	84	1026.97

Table One (Continued)
W. Kerr Scott Project--Inflows, Rainfall, and Lake Levels
From June 1998 to Present

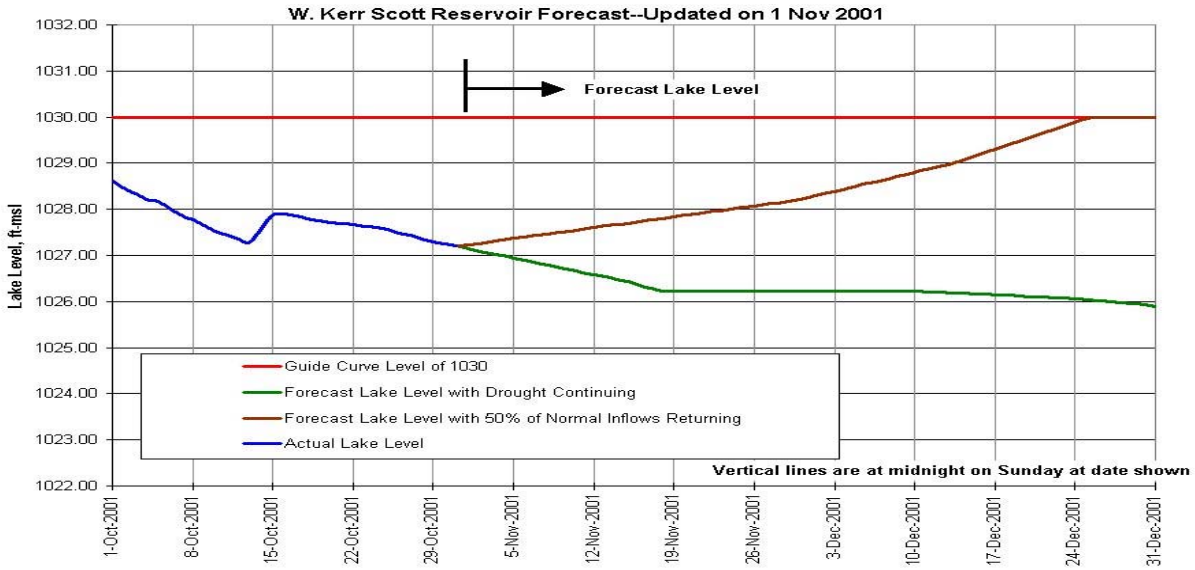
	Inflow to Scott Dam			Watershed Rainfall			Lake Level End of Month
	Long Term Avg	Actual	Percent of Normal	Long Term Avg	Actual	Percent of Normal	Ft-msl
Dec 2000	530	222	42	3.82	1.79	47	1027.20
Jan 2001	616	293	48	3.70	3.24	88	1029.03
Feb 2001	670	222	33	3.98	2.18	55	1028.15
Mar 2001	803	477	59	5.22	6.61	127	1032.12
Apr 2001	747	277	37	4.31	0.99	23	1028.19
May 2001	675	191	28	4.91	4.24	86	1028.15
Jun 2001	555	167	30	4.73	4.33	92	1027.01
Jul 2001	495	377	76	5.08	8.71	171	1031.20
Aug 2001	507	274	54	5.27	4.82	91	1029.05
Sep 2001	450	209	46	4.55	4.26	94	1028.74
Oct 2001	483	148	31	4.03	1.77	44	1027.19
Avg	575	314	54	4.48	3.58	80	

2. **Plotted W. Kerr Scott Project Watershed Rainfall, Project Inflows and End of Month Lake Level**. The plots below illustrate the relationship between reservoir level, inflow and rainfall data presented in Table One.





3. **<u>Status of the W. Kerr Scott Reservoir Level</u>**: Conditions continue to be a challenge in the W. Kerr Scott area. Today, the reservoir level is near 1027.2 feet, msl and falling slowly. The plot below shows two possible avenues. The green line shows a continuation of the drought conditions. The drawdown is anticipated to flatten out as outflows are decreased with the drop in reservoir level. At one point, outflows are the same as inflows. The other line on the plot shows what might happen if 50 percent of the normal inflows return.



4. **Impacts to Public Recreation Facilities at W. Kerr Scott Reservoir**. Public recreation facilities at W. Kerr Scott Reservoir are shown below in table two and will be discussed more in detail as the drought continues or worsens.

Table Two--Public Boat Ramps W. Kerr Scott Reservoir

Location	Number of Lanes	Bottom Ramp Elevation (feet, m.s.l.)
Dam Site Park	1	1015
Marina	2	1015
Bandits Roost Park	1	1015
Boomer Park	1	1016
Keowee Park	1	1015
Wilkes County Park	2	1015
Smitheys Creek Park	1	1015